Portland Harbor Food Web Model Internal Parameters not set at Arnot and Gobas (2004) default values

These are the 21 internal FWM parameters LWG calibrated from Monte Carlo runs instead of using Gobas defaults
None of these parameters have Portland Harbor site specific information available for them
A concern of several reviewers was why were model defaults being changed in the absence of site- or species-specific information
The table below lists the FWM parameter, its default Arnot and Gobas model value from AQUAWEB v1.2, and the current FWM values
Current FWM values are from a spreadsheet sent to Burt Shephard by Elizabeth Allen on 11/4/2014
Most of the current FWM values are on the '**inputs**' tab of the 11/4/2014 spreadsheet from Elizabeth Allen. Must unhide some rows to find all of the current FWM values

No.	Model parameter	AQUAWEB v1.2 default	Current Portland Harbor FWM value	Units	Comment
	General biological parameters				
1	Resistance to chemical uptake through aqueous phase for phytoplankton (UA)	0.00006	0.00006	Unitless	
2	Resistance to chemical uptake through organic phase for phytoplankton (UB)	5.5	5.5	Unitless	
3	NLOM*-octanol proportionality constant (Beta)	0.035	0.035	L/kg	
	Species specific biological parameters				
	Zooplankton				
4	Dietary absorption efficiency of lipid	0.75	0.72	Proportion	Parameter called alpha or default lipid absorption efficiency in AQUAWEB v1.2. Given as a percentage in Gobas model (i.e. 75%)
5	Dietary absorption efficiency of NLOM	0.75	0.72	Proportion	Parameter called beta or default NLOC/NLOM absorption efficiency in AQUAWEB v1.2. Given as a percentage in Gobas model (i.e. 75%)
	Benthic invertebrate filter feeder (clams)				
6	Dietary absorption efficiency of lipid	0.75	0.75	Proportion	Parameter called alpha or default lipid absorption efficiency in AQUAWEB v1.2. Given as a percentage in Gobas model (i.e. 75%)
7	Dietary absorption efficiency of NLOM	0.75	0.75	Proportion	Parameter called beta or default NLOC/NLOM absorption efficiency in AQUAWEB v1.2. Given as a percentage in Gobas model (i.e. 75%)
	Benthic invertebrate consumers				
8	Dietary absorption efficiency of lipid	0.75	0.75	Proportion	Parameter called alpha or default lipid absorption efficiency in AQUAWEB v1.2. Given as a percentage in Gobas model (i.e. 75%)
9	Dietary absorption efficiency of NLOM	0.75	0.75	Proportion	Parameter called beta or default NLOC/NLOM absorption efficiency in AQUAWEB v1.2. Given as a percentage in Gobas model (i.e. 75%)
	Epibenthic invertebrate consumers (crayfish)				
10	Dietary absorption efficiency of lipid	0.75	0.75	Proportion	Parameter called alpha or default lipid absorption efficiency in AQUAWEB v1.2. Given as a percentage in Gobas model (i.e. 75%)
11	Dietary absorption efficiency of NLOM	0.75	0.75	Proportion	Parameter called beta or default NLOC/NLOM absorption efficiency in AQUAWEB v1.2. Given as a percentage in Gobas model (i.e. 75%)
	Sculpin				
12	Dietary absorption efficiency of lipid	0.92	0.92	Proportion	Parameter called alpha or default lipid absorption efficiency in AQUAWEB v1.2. Given as a percentage in Gobas model (i.e. 92%)
13	Dietary absorption efficiency of NLOM	0.60	0.60	Proportion	Parameter called beta or default NLOC/NLOM absorption efficiency in AQUAWEB v1.2. Given as a percentage in Gobas model (i.e. 60%)
	Largescale sucker				
14	Dietary absorption efficiency of lipid	0.92	0.92	Proportion	Parameter called alpha or default lipid absorption efficiency in AQUAWEB v1.2. Given as a percentage in Gobas model (i.e. 92%)
15	Dietary absorption efficiency of NLOM	0.60	0.60	Proportion	Parameter called beta or default NLOC/NLOM absorption efficiency in AQUAWEB v1.2. Given as a percentage in Gobas model (i.e. 60%)
	Carp				
16	Dietary absorption efficiency of lipid	0.92	0.92	Proportion	Parameter called alpha or default lipid absorption efficiency in AQUAWEB v1.2. Given as a percentage in Gobas model (i.e. 92%)
17	Dietary absorption efficiency of NLOM	0.60	0.60	Proportion	Parameter called beta or default NLOC/NLOM absorption efficiency in AQUAWEB v1.2. Given as a percentage in Gobas model (i.e. 60%)
	Smallmouth bass				
18	Dietary absorption efficiency of lipid	0.92	0.92	Proportion	Smallmouth bass is only fish species default AQUAWEB v1.2 has in common with Portland Harbor FWM. Called Fish 12 in AQUAWEB. Parameter called alpha or default lipid absorption efficiency in AQUAWEB v1.2. Given as a percentage in Gobas model (i.e. 90%)
19	Dietary absorption efficiency of NLOM	0.60	0.60	Proportion	Smallmouth bass is only fish species default AQUAWEB v1.2 has in common with Portland Harbor FWM. Called Fish 12 in AQUAWEB. Parameter called beta or default NLOC/NLOM absorption efficiency in AQUAWEB v1.2. Given as a percentage in Gobas model (i.e. 60%)
	Northern pikeminnow				
20	Dietary absorption efficiency of lipid	0.92	0.92	Proportion	Parameter called alpha or default lipid absorption efficiency in AQUAWEB v1.2. Given as a percentage in Gobas model (i.e. 92%)
21	Dietary absorption efficiency of NLOM	0.60	0.60	Proportion	Parameter called beta or default NLOC/NLOM absorption efficiency in AQUAWEB v1.2. Given as a percentage in Gobas model (i.e. 60%)

* NLOM = non-lipid organic matter (e.g. proteins, nucleic acids)